

**Amendments to the Specification**

Please replace paragraph [0038] with the following paragraph:

**[0038]** Figures 1a-1b contain ~~contains~~ a sequence alignment of human (SEQ ID NOS 5-7) and rat T1Rs (SEQ ID NOS 16-17 & 4), human calcium-sensing receptor (SEQ ID NO: 19) and rat metabotropic glutamate receptor (SEQ ID NO: 18).

Please replace paragraph [0040] with the following paragraph:

**[0040]** Figures 3a-3c contain data relating to receptor responses to sweet taste stimuli. Figures 3a-3b contain functional data (intracellular calcium responses) elicited by different sweet taste stimuli in HEK cells stably expressing  $G_{\alpha 15}$  that are transiently transfected with human T1R2, T1R3 and T1R2/T1R3 at various concentrations of sweet taste stimuli (Figure 3a); human T1R2/T1R3 dose responses for several sweet taste stimuli (Figure 3b); human T1R2/T1R3 responses to sucrose in the presence of gurmarin, and endogenous  $\beta 2$ -adrenergic receptor responses to isoproterenol in the presence of gurmarin. Figure 3c contains the normalized response to different sweeteners.